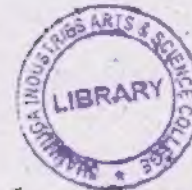


APRIL/MAY 2024

CSC11/FSC11 — PROGRAMMING IN C

Time : Three hours

Maximum : 75 marks



PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Compare constant and variable.
2. Define Type Conversion.
3. What is switch statement?
4. Classify Continue and Break statements in C.
5. What is an Array?
6. Write a syntax for initialization of 2D Array.
7. List the types of arguments passed a function.
8. What is meant by Global and Local variable?
9. Distinguish Structure and Union.
10. Define a pointer in C.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Describe the operator precedence and associativity.

Or

- (b) Explain Data types in C.

12. (a) Discuss about the Branching Statements with syntax,

Or

- (b) Compare the while loop and do-while loop statements.

13. (a) Discuss about one dimensional arrays.

Or

- (b) Explain the string handling functions with examples in C.

14. (a) Compare call by value and call by reference.

Or

- (b) Discuss about Recursion with suitable example in C.

15. (a) Discuss about the unions in C.

Or

- (b) Explain the concept of array of pointers in C.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the types of Operators with suitable examples.

17. Describe the looping statements with suitable example program.

18. Write a C program to perform matrices using an 2D Array.

19. Describe the Declaration of function and types of arguments with suitable program.

20. Define structure. Explain the declaration and accessing structure members with suitable program.